

Lake District National Park

Forecast valid from 00:00 on Monday 04 Dec 2023 until 23:59 on Tuesday 05 Dec 2023

Forecast Issued on Sunday 03 Dec 2023 at 15:17

Confidence: High for generally unsettled conditions with a transition to milder weather later in the week, low for the details.

Headline for Monday 04 Dec 2023: Cloudy with showers then more persistent rain and summit snow.

Mountain weather hazards on Monday 04 Dec 2023

Blizzards
No Likelihood

Heavy persistent snow
Low Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
High Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Cloudy	Light snow	Light snow	Heavy snow	Light snow	Light snow	Light snow
Precipitation probability							
<05%	10%	40%	60%	80%	80%	80%	80%

Forecast for Monday 04 Dec 2023

Weather: Cloudy with a few showers overnight, falling as snow above around 200 metres at first, the snow level slowly rising top 600 metres. Cloudy through the day with showers giving way to more persistent rain and summit snow, which will be heavy at times. Little change during the evening with further rain and summit snow

Chance of cloud-free hill tops above 800m: 20%

Low cloud and visibility: Small amounts overnight, but broken or extensive cloud with bases 400-600 metres forming in the rain and summit snow. Visibility good, becoming moderate or poor in the rain and summit snow.

Forecast for Monday 04 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	15/20 E	28/34 NE	32/39 NE	32/39 NE	32/39 NE	30/37 NE	31/39 NE	29/36 NE	27/35 N
600	13/17 E	16/21 NE	20/27 NE	22/30 NE	22/31 NE	21/30 NE	22/30 NE	20/29 NE	19/27 N
300	7/15 NE	6/18 NE	9/24 NE	9/25 NE	9/25 NE	8/24 NE	8/24 NE	8/23 N	8/23 N
Valley	10/16 NE	10/21 NE	13/28 NE	14/30 NE	13/30 NE	13/30 NE	14/31 NE	13/29 N	13/28 N

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-8	-3/-11	-2/-11	-2/-11	-2/-10	-2/-10	-2/-10	-2/-10	-2/-10
600	-2/-8	-2/-8	-1/-8	-0/-7	0/-7	0/-7	-0/-7	0/-6	-0/-7
300	-2/-6	-1/-4	0/-4	1/-3	2/-2	2/-2	2/-2	2/-2	2/-2
Valley	0/-4	2/-3	2/-2	4/-1	4/-0	4/-0	4/-0	4/-0	4/-0
Freezing Level*	100m	200m	400m	500m	700m	700m	700m	700m	600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Note deep snow across the southern fells will slowly thaw at lower levels

Forecast for Tuesday 05 Dec 2023

Weather: Outbreaks of rain and summit snow turning more showery overnight. A cloudy start to the day with a few showers, wintry over the summits, but these soon dying out with clouds breaking to give some sunshine during the afternoon. Dry during the evening with clear spells.

Maximum wind: North or NE 25 gust 35 mph, slowly easing 10-15 mph

Chance of cloud-free hill tops above 800m: 20% improving 60% by the afternoon.

Low cloud and visibility: Broken cloud base 400-600 metres, becoming more scattered during the afternoon. Visibilities good, but moderate or poor in early rain or showers.

Temperature: **Valleys:** Plus 2 rising to 4 Celsius
At 800m: Minus 2 decreasing minus 5 Celsius later
Freezing level: 600 metres lowering to 300 metres

Wednesday	Any mist or fog patches in the valleys will clear during the morning, otherwise a dry and bright day with sunny spells. East to southeast winds strengthening during the evening.
Thursday	Cloudy with outbreaks of rain, heavy at times, preceded by snow over the summits at first. Strong southeasterly winds with gales over the summits. Freezing level 400 metres, soon rising above the summits.
Friday	Some brighter spells, but generally a good deal of cloud with showers or longer outbreaks of rain. Winds easing, freezing level above the summits.

Ground Conditions Supplement

Some impressive snowfall totals in the South Lakes yesterday evening brought travel disruption and a major incident was declared with over 200 motorists stranded in the snow. The North Lakes by contrast is looking very white but with slightly more modest accumulations. Today was another cold and cloudy day in the fells with generally light winds. Snow is present down to valley level in many places and depth generally increases with height. Around 10cm fell over Skiddaw with drifts of around 30cm not uncommon. Paths are completely covered in many places making route finding and navigation very challenging over high ground. Footprints from other walkers are quickly filled in areas exposed to the wind and do not make for reliable route finding. Over on Helvellyn cornices have been building around north and east-facing corrie rims and potentially unstable windslab may also be present in these locations and on slopes with a similar slope aspect and angle. Ice is present on paths from low elevations, particularly around any drainage lines and some of it is now hidden under today's new snow. Microspikes and/or walking poles are extremely useful in the current conditions. With subzero temperatures and the potential for further snowfall and wind speeds near gale force, anyone heading out tomorrow should anticipate full winter conditions and be suitably clothed and equipped. Warm and waterproof clothing (plus spare warm layers), hats and gloves, a map, compass, headtorch, and goggles (for navigating in windy conditions) are all essential. As previously mentioned, microspikes and walking poles are very useful and crampons and an ice axe should be carried if attempting routes over steep and exposed ground.

Date: Sunday 3 December: Location: Skiddaw summit at 11:25. Temperature: minus 2.8 C. Maximum wind speed 4.4mph. Wind chill: minus 5.3 C. Average wind speed: 2.3mph.

Issued at: 1517 on Sun 03 Dec 2023